

## CLAIMS

The invention claimed is:

1. A method in a computer system for preventing one or more immunizations from being administered to a person too early, the method comprising:
  - receiving the immunizations to be administered to a person;
  - determining whether it is too soon to administer the immunization; and
  - if so, outputting information that the immunization being administered too soon.
2. The method of claim 1, further comprising:
  - determining whether it is still safe to administer the immunization even though it is too soon to administer the immunization.
3. The method of claim 2, wherein if it is safe to administer the immunization, outputting information that it is safe to administer the immunization.
4. The method of claim 2, wherein if it is not safe to administer the immunization, outputting information that it is not safe to administer the immunization.
5. The method of claim 1, further comprising:
  - obtaining information regarding the safe timing of immunizations from a database.
6. The method of claim 5, further comprising:

obtaining information from an electronic medical record of the person stored within a comprehensive healthcare system.

7. The method of claim 6, further comprising:

utilizing the information from the electronic medical record of the person and the information regarding safe timing of immunizations to determine whether an immunization is being administered too soon.

8. A method in a computer system for preventing an inappropriate live virus combination from being administered to a person, the method comprising:

receiving two or more live virus immunizations to be administered to a person;

determining whether the two or more live virus immunizations constitute an inappropriate live virus combination; and

if so, outputting information that the two or more live virus immunizations constitute an inappropriate live virus combination.

9. The method of claim 8, further comprising:

obtaining information regarding inappropriate virus combination from a database.

10. The method of claim 9, further comprising:

comparing the two or more immunizations to the information regarding inappropriate virus combinations to determine whether the two or more viruses constitute an inappropriate live virus combination.

11. A method in a computer system for preventing adverse reactions to one or more immunizations to be administered to a person, the method comprising:

receiving the immunizations to be administered to a person;

obtaining healthcare information for the person;

determining if the immunization is associated with an adverse reaction and if so, determining based on the healthcare information for the person if the person may have an adverse reaction to the immunization.

12. The method of claim 11, further comprising:

outputting information that the person may have an adverse reaction to the immunization.

13. The method of claim 11, further comprising:

obtaining healthcare information for the person from the electronic medical record for the person in a comprehensive healthcare system.

14. The method of claim 11, further comprising:

obtaining information regarding adverse reactions and immunizations.

15. The method of claim 14, further comprising:

comparing the information regarding adverse reactions to the information for the person obtained from the electronic medical record for the person.

16. The method of claim 15, wherein the information obtained from the electronic medical record for the person comprises medications being taken.

17. The method of claim 15, wherein the information obtained from the electronic medical record for the person comprises allergy information.

18. The method of claim 15, wherein the information obtained from the electronic medical record for the person comprises a medical condition that can cause adverse reactions to the immunization.

19. The method of claim 15, wherein the information obtained from the electronic record for the person comprises a genetic condition that predisposes the person to adverse reactions to the immunization.

20. A method in a computer system for generating an immunization schedule for a person, the method comprising:

- receiving a request for an immunization schedule for a person;
- obtaining information from an electronic medical record of the person stored within a comprehensive healthcare system;
- obtaining one or more immunization schedules; and
- utilizing the information from the electronic medical record of the person and the immunization schedule to generate a customized immunization schedule for the person.

21. The method of claim 20, further comprising:

- displaying the customized immunization schedule for the person.

22. A method in a computer system for storing immunization information for a person, the method comprising:

receiving immunization information for a person; and  
storing the immunization information in the electronic medical record of  
the person within a comprehensive healthcare system.

23. The method of claim 22, wherein the immunization information received  
for a person is the administration of a combination immunization.

24. The method of claim 23, wherein the administration of a combination  
immunization may be recorded for two or more immunizations that are due.

25. The method of claim 22, wherein the immunization information received  
for a person is regarding person tolerance of the immunization.

26. A system in a computerized environment for preventing one or more  
immunizations from being administered to a person too early, the system comprising:

a receiving module for receiving the immunizations to be administered to  
a person;

a determining module for determining whether it is too soon to administer  
the immunization; and

an outputting module for outputting information that the immunization  
being administered too soon.

27. The system of claim 26, further comprising:

a second determining module for determining whether it is still safe to  
administer the immunization even though it is too soon to administer the  
immunization.

28. The system of claim 27, wherein if it is safe to administer the immunization, outputting information that it is safe to administer the immunization.

29. The system of claim 27, wherein if it is not safe to administer the immunization, outputting information that it is not safe to administer the immunization.

30. A system in a computerized environment for preventing an inappropriate live virus combination from being administered to a person, the system comprising:

a receiving module for receiving two or more live virus immunizations to be administered to a person;

a determining module for determining whether the two or more live virus immunizations constitute an inappropriate live virus combination; and

an outputting module for outputting information that the two or more live virus immunizations constitute an inappropriate live virus combination.

31. The system of claim 30, further comprising:

obtaining information regarding inappropriate virus combination from a database.

32. The system of claim 31, further comprising:

a comparing module for comparing the two or more immunizations to the information regarding inappropriate virus combinations to determine whether the two or more viruses constitute an inappropriate live virus combination.

33. A system in a computerized environment for preventing adverse reactions to one or more immunizations to be administered to a person, the system comprising:

a receiving module for receiving the immunizations to be administered to a person;

an obtaining module for obtaining healthcare information for the person;

a determining module for determining if the immunization is associated with an adverse reaction; and

a second determining module for determining based on the healthcare information for the person if the person may have an adverse reaction to the immunization.

34. The system of claim 33, further comprising:

an outputting module for outputting information that the person may have an adverse reaction to the immunization.

35. The system of claim 34, further comprising:

a second obtaining module for obtaining healthcare information for the person from the electronic medical record for the person in a comprehensive healthcare system.

36. The system of claim 35, further comprising:

a third obtaining module for obtaining information regarding adverse reactions and immunizations.

37. The system of claim 36, further comprising:

a comparing module for comparing the information regarding adverse reactions to the information for the person obtained from the electronic medical record for the person.

38. A system in a computerized environment for generating an immunization schedule for a person, the system comprising:

a receiving module for receiving a request for an immunization schedule for a person;

an obtaining module for obtaining information from an electronic medical record of the person stored within a comprehensive healthcare system;

a second obtaining module for obtaining one or more immunization schedules; and

a utilizing module for utilizing the information from the electronic medical record of the person and the immunization schedule to generate a customized immunization schedule for the person.

39. The system of claim 38, further comprising:

a displaying module for displaying the customized immunization schedule for the person.

40. A system in a computerized environment for storing immunization information for a person, the system comprising:

a receiving module for receiving immunization information for a person;  
and



a storing module for storing the immunization information in the electronic medical record of the person within a comprehensive healthcare system.

41. A system in a computerized environment for preventing one or more immunizations from being administered to a person too early, the system comprising:

means for receiving the immunizations to be administered to a person;

means for determining whether it is too soon to administer the immunization; and

if so, outputting information that the immunization being administered too soon.

42. A system in a computerized environment for preventing an inappropriate live virus combination from being administered to a person, the system comprising:

means for receiving two or more live virus immunizations to be administered to a person;

means for determining whether the two or more live virus immunizations constitute an inappropriate live virus combination; and

means for outputting information that the two or more live virus immunizations constitute an inappropriate live virus combination.

43. A system in a computerized environment for preventing adverse reactions to one or more immunizations to be administered to a person, the system comprising:

means for receiving the immunizations to be administered to a person;

means for obtaining healthcare information for the person;

means for determining if the immunization is associated with an adverse reaction; and

means for determining based on the healthcare information for the person if the person may have an adverse reaction to the immunization.

44. A system in a computerized environment for generating an immunization schedule for a person, the system comprising:

means for receiving a request for an immunization schedule for a person;

means for obtaining information from an electronic medical record of the person stored within a comprehensive healthcare system;

means for obtaining one or more immunization schedules; and

means for utilizing the information from the electronic medical record of the person and the immunization schedule to generate a customized immunization schedule for the person.

45. A system in a computerized environment for storing immunization information for a person, the system comprising:

means for receiving immunization information for a person; and

means for storing the immunization information in the electronic medical record of the person within a comprehensive healthcare system.

46. A computer-readable medium having computer-executable instructions for performing a method, the method comprising:

receiving the immunizations to be administered to a person;

determining whether it is too soon to administer the immunization; and  
if so, outputting information that the immunization being administered too soon.

47. A computer-readable medium having computer-executable instructions for performing a method, the method comprising:

receiving two or more live virus immunizations to be administered to a person;

determining whether the two or more live virus immunizations constitute an inappropriate live virus combination; and

if so, outputting information that the two or more live virus immunizations constitute an inappropriate live virus combination.

48. A computer-readable medium having computer-executable instructions for performing a method, the method comprising:

receiving the immunizations to be administered to a person;

obtaining healthcare information for the person;

determining if the immunization is associated with an adverse reaction and  
if so, determining based on the healthcare information for the person if the person may have an adverse reaction to the immunization.

49. A computer-readable medium having computer-executable instructions for performing a method, the method comprising:

receiving a request for an immunization schedule for a person;

obtaining information from an electronic medical record of the person stored within a comprehensive healthcare system;

obtaining one or more immunization schedules; and

utilizing the information from the electronic medical record of the person and the immunization schedule to generate a customized immunization schedule for the person.

50. A computer-readable medium having computer-executable instructions for performing a method, the method comprising:

receiving immunization information for a person; and

storing the immunization information in the electronic medical record of the person within a comprehensive healthcare system.